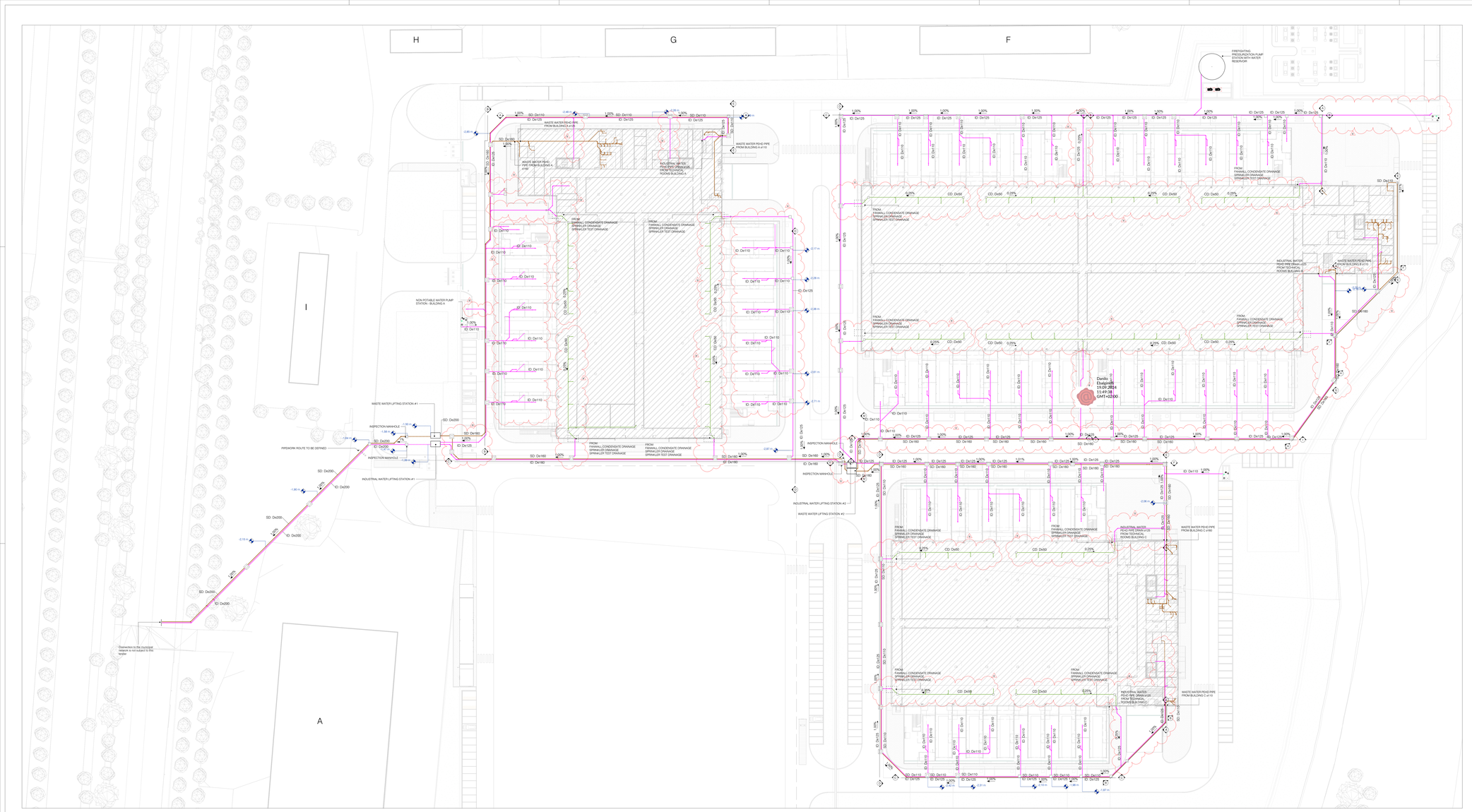
H
G
F
I
A
FIREFIGHTING PUMPING STATION WITH PUMP STATION WITH WATER RESERVOIR
NON POTABLE WATER PUMP STATION - BUILDING A
WASTE WATER LIFTING STATION #1
INDUSTRIAL WATER LIFTING STATION #1
INDUSTRIAL WATER LIFTING STATION #2
WASTE WATER LIFTING STATION #2
INSPECTION MANHOLE
PIPEWORK ROUTE TO BE DEFINED
Connection to the municipal network is not subject to this tender
WASTE WATER PEHD PIPE FROM BUILDING A-#18
WASTE WATER PEHD PIPE FROM BUILDING A-#19
WASTE WATER PEHD PIPE FROM BUILDING A-#16
INDUSTRIAL WATER PEHD PIPE DRAIN #105 FROM TECHNICAL ROOMS BUILDING A
INDUSTRIAL WATER PEHD PIPE DRAIN #106 FROM TECHNICAL ROOMS BUILDING C
WASTE WATER PEHD PIPE FROM BUILDING C-#16
WASTE WATER PEHD PIPE FROM BUILDING C-#18
INDUSTRIAL WATER PEHD PIPE DRAIN #104 FROM TECHNICAL ROOMS BUILDING C
FROM FIREWALL CONDENSATE DRAINAGE SPRINKLER DRAINAGE SPRINKLER TEST DRAINAGE
Danilo Ekaterinelli 19.09.2024 11:49:38 GMT+02:00

Industrial and Domestic Waste water drainage systems - External Area

1 : 300

Scarico acque nere e industriali

Industrial and Domestic Waste water drainage systems

SD	Scarico Acque Nere *Soil Water*
SDP	Scarico Acque Nere in Pressione *Pressurized Soil Water*
ID	Scarico Acque Industriali *Industrial Water*
IDP	Scarico Acque Industriali in Pressione *Pressurized Industrial Water*
CD	Scarico Condensa *Condensation Water*

PUBLIC HEALTH SERVICES NOTES:
- All drainage stacks to be equipped of inspectable trap, extended all the way to the roof and well ventilated.
- Each sanitary appliance shall be connected to the drainage stack by means of a trap with a water seal protection. Any anti-odour trap interposition.
- The waste water collections shall be separated from the soil waste water system up to drain pits that are located upstream of the public sewage inspection block.
- Each sanitary appliance shall be connected to the drainage stack by means of a trap with a water seal protection tank equipped with electrosiphons.
- The testing operations shall be completed maintaining the drainage system visible and removed.
- Providing inspection points for main drain pipe upstream of each connection, elbow or special fitting.
- Minimum slopes for drainage pipes (unless otherwise specified, drainage pipes indicated) must have the following minimum slopes:
  - Drainage branches to vertical stack: i=2%
  - Soil water main drain pipe: i=2%
  - Rainwater/Oil water: i=0,5%

TYPICAL SECTION OF MAIN DRAIN PIPE ON DIFFERENT ELEVATIONS

TYPICAL SECTION OF DRAINAGE BRANCHES TO MAIN DRAIN PIPE

TYPICAL SECTION OF CONNECTION BETWEEN PRESSURIZED AND GRAVITY SYSTEMS

GENERAL NOTES:
- Any work or piping is valid for mechanical systems object of tender only.
- Every dimension and position of materials and equipment must be verified on site by the contractor, who must promptly give notice of possible interferences.
- Any discrepancy between the drawings and the actual conditions found on site by the contractor shall be rectified and then functioning rearranged by the contractor.
- Accurate positions of equipment, materials, piping, ducts, connections to existing systems shall be defined by the contractor and submitted to the works supervisor.
- Any modification to the plans shall be approved by the works supervisor.
- All equipment shall be easily reachable and accessible through access panels or similar solutions, including where not explicitly indicated.
- The contractor shall size and certify all supports in a workmanlike manner and in respect of every prescription regarding: antiseismic design.
- Installations of mechanical systems shall be in full compliance with the regulations in force at the time of the execution of the works.
- Installations of electronic or site shall comply with every prescription and recommendation by the producers and by the highest trade standards in the relevant fields, including acoustics and fire prevention.
- Any problem encountered and described, evaluated based on available documentation, shall be reevaluated and analyzed during the construction phase, after system verification following adequate survey of the existing situation.
- The contractor shall verify and check the present and give notice of any inaccuracy, incompleteness o discrepancy with any code in law.
- In case of piping or duct material change, the same pressure drop of the design material shall be guaranteed.
- Any proposed modification to the project shall be duly noted and submitted to the works supervisor for approval.
- Every infrastructure needed to obtain functioning and testable systems shall be verified on site by the contractors.
- The bottom tube measurements refer to the project Zero Level.

Manhole - Tag

Object code → Area
Height → Area | Line → number of units
Object code → Block

External Systems finalised regarding design development
Due to phasing
- Design development of building B & C
- Building A drawings issued to tender

NOTE GENERALI:
1. Tutte le tubazioni interrate e sotto slab per impianti di Idrosanitari
2. Per la scelta e interposizione dei dispositivi di intercettazione e riduzione consultare le tavole di dettaglio di progetto e gratici.
3. Il dimensionamento e la relazione degli elementi strutturali e costruttivi che fanno a carico dell'impiantistica - Eventuale revisione approvata dalla D.L.
4. Qualsiasi variazione o modifica al progetto esecutivo dovrà essere approvata dalla D.L.
5. Qualsiasi interferenza - con modifiche del progetto o del percorso stabilito dovrà di preventivamente da parte dei progettisti, che ne dovranno dare approvazione scritta alla D.L.
6. Tutte le linee dell'impianto che entrano in soprintendenza con quanto contenuto nei documenti di progetto riguardo all'esecuzione ed alla fornitura dei materiali, dovranno essere preventivamente approvate dalla D.L. e dalla Soprintendenza. Le linee principali dell'impianto dovranno essere realizzate secondo le prescrizioni della Soprintendenza stessa.
7. Tutti i materiali impiegati nella costruzione dell'impianto dovranno essere di prima qualità e di perfetta costruzione, rispondenti a tutte le prescrizioni di progetto e capitolato speciale d'appalto e di Regolamento d'esecuzione, e dovranno essere provvisti di marchio di fabbrica e di qualità. Ove richiesto dalla D.L. dovranno essere presentati campioni dei materiali da impiegare per l'approvazione.
8. Il progetto architettonico riguarda la progettazione architettonica e strutturale degli edifici e delle opere esterne. Il progetto impiantistico riguarda la progettazione degli impianti meccanici, elettrici, speciali e di sicurezza.
9. Tutti i progetti esecutivi e opere sono di proprietà esclusiva dello studio progettista che ne vieta la riproduzione totale o parziale senza autorizzazione scritta.
10. Tutti gli elaborati del presente appalto sono parte integrante del contratto e pertanto l'appaltatore è tenuto a prenderne visione prima di partecipare alla gara.
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20. Tutti gli elaborati del presente appalto sono parte integrante del contratto e pertanto l'appaltatore è tenuto a prenderne visione prima di partecipare alla gara.

GENERAL NOTES:
1. All drawings must be read with the "Project" chapter.
2. For the physical interpretation of the drawing, it is necessary to read all plans and graphic drawings together.
3. Any discrepancy between the drawings and the actual conditions found on site by the contractor shall be promptly reported to the DL.
4. All dimensions shown are expressed in mm (except dimensions "Rapid" and Method "Drawing/Computing").
5. The contractor is responsible for the correctness of all dimensions and quantities indicated in the drawings, which must be verified and found on site.
6. All dimensions, both detailed and of assembly, must be checked on site before starting the work and the contractor is responsible for any errors.
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8. All dimensions, both detailed and of assembly, must be checked on site before starting the work and the contractor is responsible for any errors.
9. It must not be ordered or executed any work without a written order or contract or the request of the Management Body or without the signature of the representative Entitled by the contractor to whom the contract is awarded.
10. The contractor is responsible for the correctness of all dimensions and quantities indicated in the drawings, which must be verified on site.
11. All dimensions, both detailed and of assembly, must be checked on site before starting the work and the contractor is responsible for any errors.
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REV	DATA / DATE	DESCRIZIONE / DESCRIPTION
0	31/08/2023	First Emission
A	27/10/2023	Revision A

PROGETTISTA / DESIGNER:

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COMMITTENTE / CLIENT:

STACK INFRASTRUCTURE ITALIA (MD 4 S.r.l.)
Via dell'Bruno Rinnovata, 31 Palazzo Uno 20090 Assago (MI)

PROGETTO / PROJECT:
MIL 04
Alzaia Navigli/ Pavese snc,
Velasco Ballini (PV)

PROGETTISTA / DESIGNER:
Ing. Riccardo Cereda - Iscritto all'Ordine degli Ing. di Brescia n°N.2909

OGGETTO / OBJECT:
RIBA4 - MIL 04

TITOLO / DESCRIPTION:
Mechanical Systems
Industrial and Domestic Waste water drainage systems
External Area - Aree esterne
Scarico acque nere e industriali

DESIGNATO DA: DRAWN BY: APT	CONTROLLATO DA: CHECKED BY: MC
DATA/ DATE: 31/08/2023	SCALA / SCALE: 1:300
NOME FILE / FILE NAME: 3604_EM-5101aG	
COMMESSA / JOB: 3604	FORMATO / SHEET: AD = = =

TAVOLA / DRAWING:
EM-5101

DATA REV.: 27/10/2023	REV.: a

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MIL 04 A MIL 04 B MIL 04 C MIL 04 D

Reserved Capacity Building